

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (PREVIOUSLY PRESENTED) A method for treating a patient having a condition affecting at least one layer of skin comprising administering in situ a physiologically acceptable formulation consisting essentially of at least one hydrolase selective for a layer of skin affected by said condition in an amount and for a duration effective to remove said layer and treat said condition.
2. (ORIGINAL) The method of claim 1 wherein said layer of skin is selected from the group consisting of an epidermal layer, a dermal layer, a subcutaneous layer, and combinations thereof.
3. (CANCELED)
4. (PREVIOUSLY PRESENTED) The method of claim 1 wherein said hydrolase is selected from the group consisting of esterases, glycosidases, proteases, phosphatases, thiolases, phospholipases, amidases, ceramidases, lipases, deaminases, nucleases and combinations thereof.
5. (PREVIOUSLY PRESENTED) The method of claim 1 wherein said hydrolase is selected from the group consisting of trypsin, chymotrypsin, papain, bromelain,

dispase, thermolysin, ceramidase, lipase, glycosidase, deoxyribonuclease, ribonuclease and combinations thereof to treat an epidermal layer.

6-7. (WITHDRAWN)

8. (ORIGINAL) The method of claim 1 where the condition is selected from the group consisting of neoplasms, pigmentary disorders, infectious disorders, follicular disorders, hyperkeratotic disorders, inflammatory disorders, vascular disorders, photo-aging disorders, deposition disorders, connective tissue disorders, and cutaneous cystic disorders.

9. (PREVIOUSLY PRESENTED) The method of claim 1 wherein the hydrolase is selected from the group consisting of trypsin, chymotrypsin, papain, collagenase, pepsin A, elastase, exopeptidases, aminopeptidases, endopeptidases, bromelain, chymotrypsin C, metridin, trypsin, thrombin, plasmin, enteropeptidase, alpha-lytic endopeptidase, prolyl oligopeptidase, bradykinin, plasma kallikrein, tissue kallikrein, pancreatic elastase, leukocyte elastase, chymase, cerevisin, hypodermin C, endopeptidase La, alpha-renin, leucyl endopeptidase, tryptase, kexin, subtilisin, oryzin, endopeptidase K, thermomycin, thermolysin, endopeptidase So, tissue plasminogen activator, pancreatic endopeptidase E, pancreatic elastase II, urine plasminogen activator, cathepsin B, facilin, chymopapain, asclepain, clostripain, streptopain, actinidain, cathepsin L, cathepsin H, calpain, cathepsin T, glycyl endopeptidase, cathepsin S, caricain,

ananain, stem bromelain, fruit bromelain, legumain, histolysin, pepsin B, gastricsin, chymosin, cathepsin D, retropepsin, aspergillopepsin I, aspergillopepsin II, penicillopepsin, rhizopuspepsin, endothiapepsin, mucorpepsin, candidapepsin, saccharopepsin, rhodotorulapepsin, physaropepsin, acrocylindropepsin, polyporopepsin, pycnoporopepsin, scytalidopepsin A, scytalidopepsin B, xanthomonoapepsin, pseudomonapepsin, cathepsin E, atrolysin, microbial collagenase, leucolysin, interstitial collagenase, neprilysin, matrix metalloproteinases dispase, thermolysin, V8 protease, ribonuclease, deoxyribonuclease and combinations thereof.

10. (ORIGINAL) The method of claim 1 wherein said administering is selected from the group consisting of topical application, injection, and combinations thereof.

11-23. (WITHDRAWN)

24. (PREVIOUSLY PRESENTED) A method to treat skin comprising topically applying to an outermost layer of skin a composition consisting essentially of a protease in a biologically acceptable formulation in an amount to selectively remove at least one epidermal layer containing a skin condition to thereby treat said skin.

25. (ORIGINAL) The method of claim 24 wherein said protease is selected from the group consisting of trypsin, papain, bromelain, dispase, thermolysin, and combinations thereof.

26. (WITHDRAWN) A method to treat skin comprising providing a composition consisting essentially of ~~[[containing]]~~ a protease in a biologically acceptable formulation in an amount ~~and formulation~~ to selectively remove at least one dermal layer containing a skin condition to thereby treat said skin.

27. (WITHDRAWN) The method of claim 26 wherein said composition is provided by an administration method selected from the group consisting of topical, injection, and combinations thereof.

28. (WITHDRAWN) The method of claim 26 wherein said protease is selected from the group consisting of collagenases, elastases, and combinations thereof.

29. (WITHDRAWN)

30. (CURRENTLY AMENDED) A method to target skin treatment of an affected area comprising providing to said affected area a composition consisting essentially of ~~[[containing]]~~ at least one hydrolase in an amount and formulation effective to selectively target skin removal in said affected area.

31. (ORIGINAL) The method of claim 30 wherein said affected area is selected from the group consisting of epidermis, dermis, subcutaneous layer, and combinations thereof.

32. (WITHDRAWN) A method of treating aging in at least one layer of skin comprising providing a ~~protease-containing~~ biologically acceptable composition consisting essentially of a protease to an outermost layer of affected skin in an amount and formulation to selectively target said affected skin layer.

33. (WITHDRAWN) The method of claim 32 wherein said signs are selected from the group consisting of xerosis, rhytids, loss of skin tone, acitinic damage, fine lines, dyspigmentation, and combinations thereof.

34. (PREVIOUSLY PRESENTED) A method for treating a condition affecting skin comprising applying a composition to the affected skin, the composition containing at least one hydrolase at a concentration selective for regulating depth of skin treatment and applied to an area selective for regulating a radial surface of skin treatment.

35. (PREVIOUSLY PRESENTED) The method of claim 34 wherein the hydrolase is a protease.

36. (ORIGINAL) The method of claim 34 wherein the composition is topically applied.

37. (ORIGINAL) The method of claim 34 wherein the composition comprises a protease and is topically applied.

38. (ORIGINAL) The method of claim 34 wherein the composition is applied one time.

39. (PREVIOUSLY PRESENTED) The method of claim 34 wherein the hydrolase is a protease to treat an epidermal layer.

40. (PREVIOUSLY PRESENTED) The method of claim 34 wherein a relatively short duration of exposure and a relatively low hydrolase concentration is used to treat a condition affecting an epidermal layer.

41. (WITHDRAWN) The method of claim 34 wherein a relatively long duration of exposure and a relatively high hydrolase concentration is used to treat a condition affecting a dermal layer.

42. (WITHDRAWN)

43. (PREVIOUSLY PRESENTED) The method of claim 8 where the
condition is seborrheic keratosis.

44-63. (WITHDRAWN)